



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/659,506	09/10/2003	Derick Brian Payne	03-193	3609

719 7590 11/10/2004

CATERPILLAR INC.
100 N.E. ADAMS STREET
PATENT DEPT.
PEORIA, IL 616296490

EXAMINER

RAMIREZ, RAMON O

ART UNIT	PAPER NUMBER
----------	--------------

3632

DATE MAILED: 11/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



Response to Amendment

The reply filed on October 27, 2004 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s): the amended claims 13-20 fail to show the changes (additions or deletions) highlighted by the proper markings.

Accordingly the amendment has not been entered. See 37 CFR 1.111. Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment.

EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Conclusion

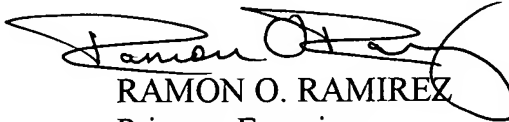
Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAMON O. RAMIREZ whose telephone number is (703) 308-0748. The examiner can normally be reached on MONDAY-FRIDAY, IST FRIDAY OFF.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LESLIE BRAUN can be reached on (703) 308-2156. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3632

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A shortened period for response to this Office Action expires ONE MONTH from the mailing date of this action.



RAMON O. RAMIREZ
Primary Examiner
Art Unit 3632

ROR
November 8, 2004